

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A computer system ~~[[(999)]]~~ for handling incremental data, comprising:

a server-controller ~~(101-1)~~ for receiving a modification-request from a client ~~[[(900)]]~~ to modify an original model ~~(200-T1)~~ of an application component that is stored on the server ~~[[(901)]]~~ into a modified model ~~(200-T2)~~ of the application component;

a server-renderer ~~(101-2)~~ for generating at least one browser-increment ~~(300-I)~~ that corresponds to ~~[[the]]~~ a difference between the original model ~~(200-T1)~~ and the modified model ~~(200-T2)~~;

a client-assembler ~~(100-1)~~ for receiving the at least one browser-increment ~~(300-I)~~ from the server ~~[[(901)]]~~ and updating at the client ~~[[(900)]]~~ an original ~~[[DOM]]~~ document object model (DOM) component ~~(300-T1)~~ of a browser component with the at least one browser-increment ~~(300-I)~~, resulting in a modified DOM ~~document object model (DOM)~~ component ~~(300-T2)~~ that corresponds to the modified model ~~(200-T2)~~, wherein the original DOM component ~~(300-T1)~~ corresponds to the original model ~~(200-T1)~~; and

a client-controller ~~(100-2)~~ for generating the modification-request.

2. (Currently Amended) The computer system ~~[[(999)]]~~ of claim 1, wherein the client-controller ~~(100-2)~~ stores the at least one browser-increment ~~(300-I)~~ in a cache-memory ~~(920-C)~~ of the client ~~[[(900)]]~~ and instructs the client-assembler ~~(100-1)~~ to

deactivate the at least one browser-increment ~~(300-I)~~ upon receiving a deactivation-request ~~(DAR)~~ ~~(DAR)~~.

3. (Currently Amended) The computer system ~~[[(999)]]~~ of claim 2, wherein the client-controller ~~(100-2)~~ retrieves the at least one browser-increment ~~(300-I)~~ from the cache-memory ~~(920-C)~~ and instructs the client-assembler ~~(100-1)~~ to reactivate the at least one browser-increment ~~(300-I)~~ upon receiving a reactivation-request ~~[[(RAR)]]~~.

4. (Currently Amended) The computer system ~~[[(999)]]~~ according to ~~any of the claims 1 to 3~~ claim 1, wherein the client-controller ~~(100-2)~~ instructs the client-assembler ~~(100-1)~~ to reset the original or modified DOM component ~~(300-T1, 300-T2)~~ upon receiving a reset-request.

5. (Currently Amended) The computer system ~~[[(999)]]~~ according to ~~any of the claims 1 to 4~~ claim 1, wherein the original model ~~(200-T1)~~ and the modified model ~~(200-T2)~~ are defined by a component class selected from ~~the group of a group~~ consisting of a Java class, a Java Server Pages class, a servlet class, a Pascal class, a C class, a C++ class, and a Business Server Pages class.

6. (Currently Amended) The computer system ~~[[(999)]]~~ according to ~~any of the claims 1 to 5~~ claim 1, wherein the browser component is defined by a component script class selected from ~~the group of a group~~ consisting of a JavaScript class, a JavaApplets class and a VisualBasic Script class.

7. (Currently Amended) The computer system ~~[[(999)]]~~ of claim 5, wherein the component class implements at least a portion of the server-controller ~~(101-1)~~ and the server-renderer ~~(101-2)~~.
8. (Currently Amended) The computer system ~~[[(999)]]~~ of claim 6, wherein the component script class implements at least a portion of the client-controller ~~(100-2)~~ and the client-assembler ~~(100-2)~~.
9. (Currently Amended) The computer system ~~[[(999)]]~~ of claim 6, wherein the component script class and ~~[[the]]~~ a component class have identical hierarchies.
10. (Currently Amended) A server ~~(900) in a computer system (999)~~ for handling incremental data₁ comprising:
- a server-controller ~~(101-1)~~ for receiving a modification-request from a client-controller ~~(100-2)~~ of a client ~~[[(900)]]~~ in ~~[[the]]~~ a computer system ~~[[(999)]]~~ to modify an original model ~~(200-T1)~~ of an application component that is stored on the server ~~[[(901)]]~~ into a modified model ~~(200-T2)~~ of the application component; and
 - a server-renderer ~~(101-2)~~ for generating at least one browser-increment ~~(300-I)~~ that corresponds to ~~[[the]]~~ a difference between the original model ~~(200-T1)~~ and the modified model ~~(200-T2)~~; the at least one browser-increment ~~(300-I)~~ made to be sent to a client-assembler ~~(100-4)~~ of the client ~~[[(900)]]~~ for updating an original ~~[[DOM]]~~ document object model (DOM) component ~~(300-T1)~~ that corresponds to the original

model ~~(200-T1)~~ with the at least one browser-increment ~~(300-I)~~, resulting in a modified DOM component ~~(300-T2)~~ that corresponds to the modified model ~~(200-T2)~~.

11. (Currently Amended) A client ~~(900) in a computer system (999)~~ for handling incremental data, comprising:

a client-controller ~~(100-2)~~ sending a modification-request to a server-controller ~~(101-1)~~ of a server ~~[(901)]~~ in ~~[(the)]~~ a computer system ~~[(999)]~~; and

a client-assembler ~~(100-1)~~ receiving at least one browser-increment ~~(300-I)~~ from the server ~~[(901)]~~ and updating an original ~~[(DOM)]~~ document object model (DOM) component ~~(300-T1)~~ that corresponds to an original model ~~(200-T1)~~ of an application component with the at least one browser-increment ~~(300-I)~~, resulting in a modified DOM component ~~(300-T2)~~ that corresponds to a modified model ~~(200-T2)~~ of the application component,

wherein the server-controller ~~(101-1)~~ modifies the original model ~~(200-T1)~~ being stored on the server ~~[(901)]~~ into the modified model, ~~(200-T2)~~; and a server-renderer ~~(101-2)~~ of the server ~~[(901)]~~ generates the at least one browser-increment ~~(300-I)~~ that corresponds to ~~[(the)]~~ a difference between the original model ~~(200-T1)~~ and the modified model ~~(200-T2)~~.

12. (Currently Amended) The client ~~[(900)]~~ of claim 11, wherein the client-controller ~~(100-2)~~ stores the at least one browser-increment ~~(300-I)~~ in a cache-memory ~~(920-C)~~ of the client ~~[(900)]~~ and instructs the client-assembler ~~(100-1)~~ to deactivate the browser-increment ~~(300-I)~~ upon receiving a deactivation-request ~~[(DAR)]~~.

13. (Currently Amended) The client ~~[[900]]~~ of claim 12, wherein the client-controller ~~(100-2)~~ retrieves the at least one browser-increment ~~(300-1)~~ from the cache-memory ~~(920-C)~~ and instructs the client-assembler ~~(100-1)~~ to reactivate the at least one browser-increment ~~(300-1)~~ upon receiving a reactivation-request ~~[[RAR]]~~.

14. (Currently Amended) The client ~~[[900]]~~ according to ~~any of the claims 11 to 13~~ claim 11, wherein the client-controller ~~(100-2)~~ instructs the client-assembler ~~(100-1)~~ to reset the original DOM component ~~(300-T1)~~ upon receiving a reset-request.

15. (Currently Amended) A method ~~(400)~~ for handling incremental data on a server, ~~(901) of a computer system (999)~~ comprising ~~the steps~~:

receiving ~~[[410]]~~ by a server-controller ~~(101-1)~~ a modification-request from a client-controller ~~(100-2)~~ belonging to a client ~~[[900]]~~ of ~~[[the]]~~ a computer system ~~[[999]]~~ to modify an original model ~~(200-T1)~~ of an application component that is stored on the server ~~[[901]]~~ into a modified model ~~(200-T2)~~ of the application component;

generating ~~[[420]]~~ by a server-renderer ~~(101-2)~~ at least one browser-increment ~~(300-1)~~ that corresponds to ~~[[the]]~~ a difference between the original model ~~(200-T1)~~ and the modified model ~~(200-T2)~~; and

sending ~~[[430]]~~ the at least one browser-increment ~~(300-1)~~ to a client-assembler ~~(100-1)~~ of the client ~~[[900]]~~ for updating on the client ~~[[900]]~~ an original ~~[[DOM]]~~ document object model (DOM) component ~~(300-T1)~~ that corresponds to the original

model ~~(200-T1)~~ with the at least one browser-increment ~~(300-I)~~, resulting in a modified DOM component ~~(300-T2)~~ that corresponds to the modified model ~~(200-T2)~~.

16. (Currently Amended) A method ~~[[500]]~~ for handling incremental data on a client, ~~(900) of a computer system (999)~~ comprising ~~the steps~~:

sending ~~[[510]]~~ from a client-controller ~~(100-2)~~ a modification-request to a server-controller ~~(101-1)~~ of a server ~~[[901]]~~ of ~~[[the]]~~ a computer system ~~[[999]]~~; and

receiving ~~[[520]]~~ by a client-assembler ~~(100-1)~~ at least one browser-increment ~~(300-I)~~ from the server ~~[[901]]~~ as a response to the modification request; and

updating ~~[[530]]~~ an original ~~[[DOM]]~~ document object model (DOM) component ~~(300-T1)~~ that corresponds to an original model ~~(200-T1)~~ of an application component with the at least one browser-increment ~~(300-I)~~, resulting in a modified DOM component ~~(300-T2)~~ that corresponds to a modified model ~~(200-T2)~~ of the application component, wherein the server-controller ~~(101-1)~~ modifies the original model ~~(200-T1)~~ being stored on the server ~~[[901]]~~ into the modified model, ~~(200-T2)~~; and a server-renderer ~~(101-2)~~ of the server ~~[[901]]~~ generates the at least one browser-increment ~~(300-I)~~ that corresponds to ~~[[the]]~~ a difference between the original model ~~(200-T1)~~ and the modified model ~~(200-T2)~~.

17. (Currently Amended) The method ~~[[500]]~~ of claim 16, further comprising ~~the further step~~:

storing ~~[[540]]~~ the at least one browser-increment ~~(300-I)~~ in a cache-memory ~~(920-C)~~ of the client ~~[[900]]~~.

18. (Currently Amended) The method ~~[[500]]~~ of claim 17, **further** comprising ~~the further step:~~

deactivating ~~[[550]]~~ the browser-increment ~~(300-I)~~ by the client-assembler ~~(100-1)~~ upon the client-controller ~~(100-2)~~ having received a deactivation-request ~~(DAR)~~.

19. (Currently Amended) The method ~~[[500]]~~ of claim 18, **further** comprising ~~the further steps:~~

retrieving ~~[[560]]~~ the at least one browser-increment ~~(300-I)~~ from the cache-memory ~~(920-C)~~; and

reactivating ~~[[570]]~~ the browser-increment ~~(300-I)~~ by the client-assembler ~~(100-1)~~ upon the client-controller ~~(100-2)~~ having received a reactivation-request ~~[[RAR]]~~.

20. (Currently Amended) A computer program product ~~[[101]]~~ comprising instructions that, when loaded into a memory ~~[[921]]~~ of a server ~~[[901]]~~, cause at least one processor ~~[[911]]~~ of the server ~~[[901]]~~ to execute the ~~steps of~~ **method of** claim 15.

21. (Currently Amended) A computer program product ~~[[100]]~~ comprising instructions that, when loaded into a memory ~~[[920]]~~ of a client ~~[[900]]~~, cause at least one processor ~~[[910]]~~ of the ~~server (900)~~ **client** to execute the ~~steps of any of the claims 16 to 19~~ **method of claim 16**.

22. (Currently Amended) A computer system ~~[[999]]~~ for handling incremental data, comprising:

a client-controller ~~(100-2)~~ generating a modification-request;

a server-controller ~~(101-1)~~ modifying ~~[[703]]~~ a model ~~(200-Tn)~~ of an application component on a server ~~[[901]]~~ as a response to the modification-request;

a server-renderer ~~(101-2)~~ generating ~~[[801]]~~ at least one browser-increment ~~(300-I)~~ after the model ~~(200-Tn)~~ has been modified ~~[[703]]~~; and

a client-assembler ~~(100-1)~~ receiving the at least one browser-increment ~~(300-I)~~ from the server ~~[[901]]~~ and updating an instance of a browser component at the client ~~[[900]]~~ with the at least one browser-increment ~~(300-I)~~, wherein the browser component corresponds to the application component.